

## 16:0 DBCO PE

1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-dibenzocyclooctyl (ammonium salt)

870128P-25mg

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|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 996.302                                                          |
| <b>Chemical Formula</b>  | C <sub>56</sub> H <sub>90</sub> N <sub>3</sub> O <sub>10</sub> P |
| <b>Physical State</b>    | Powder                                                           |
| <b>Storage</b>           | -20°C                                                            |
| <b>Expiration Date</b>   | One year from date of receipt                                    |
| <b>M Lot Number</b>      | 6164PJG013                                                       |
| <b>Avanti Lot Number</b> | 870128P-25MG-G-013                                               |

| ANALYSIS                                     | SPECIFICATION                                                                                                                           | RESULTS                                       |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Physical Examination                         | <b>Powder:</b> White solid which contains no foreign matter                                                                             | Pass                                          |
| TLC<br>(80:20:2 Chloroform: Methanol: Water) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                                      |
| FAME (GC/FID)                                | NLT 99% 16:0 (AUC)                                                                                                                      | 100% (AUC)                                    |
| Proton NMR                                   | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                     |
| Mass Spectroscopy                            | [M-NH <sub>4</sub> ] <sup>+</sup> = 978.3 ± 1 amu                                                                                       | [M-NH <sub>4</sub> ] <sup>+</sup> = 978.7 amu |

Approved By: *Anderson Thomas*

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